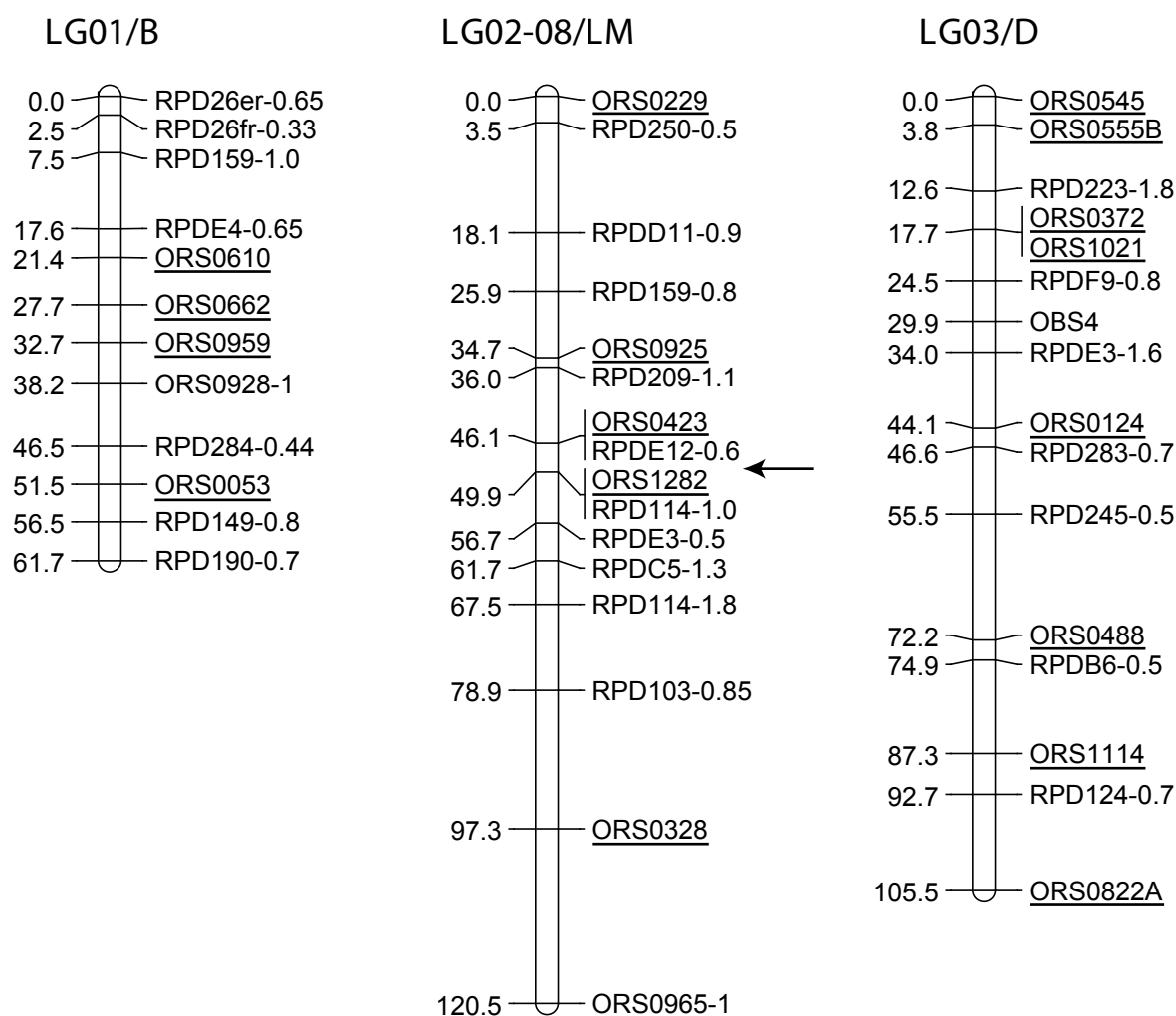
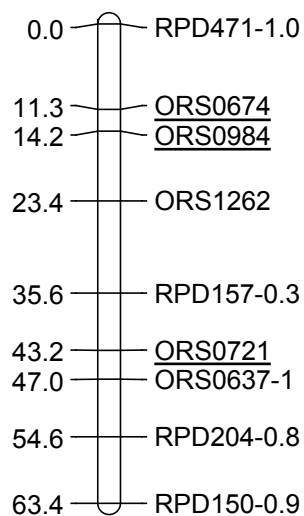


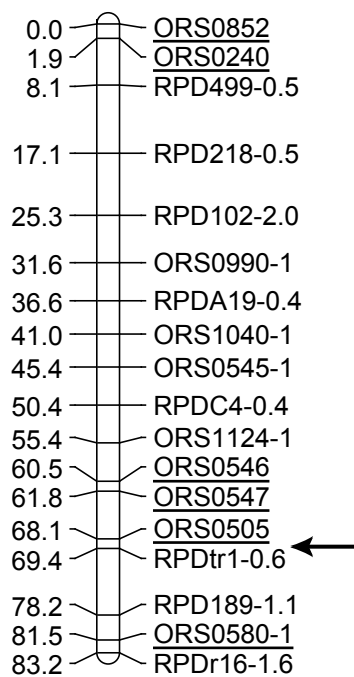
Figure 1S (Supplementary Information). Genetic map of *Helianthus petiolaris*. All marker names beginning with an ORS designation refer to simple sequence repeats (SSRs), whereas those beginning with RPD refer to RAPDs. The numbers to the left of each linkage group refer to genetic distance (cM). All informative loci are underlined. Single arrows indicate the location of inferred chromosomal breakages/fusions that are necessary to account for the differences between this map and that of *H. annuus*, whereas the double/bracketed arrows indicate the locations of chromosomal inversions. Letters following the numerical linkage group designations refer to the naming system employed by RIESEBERG *et al.* (1995), and are included here for continuity.



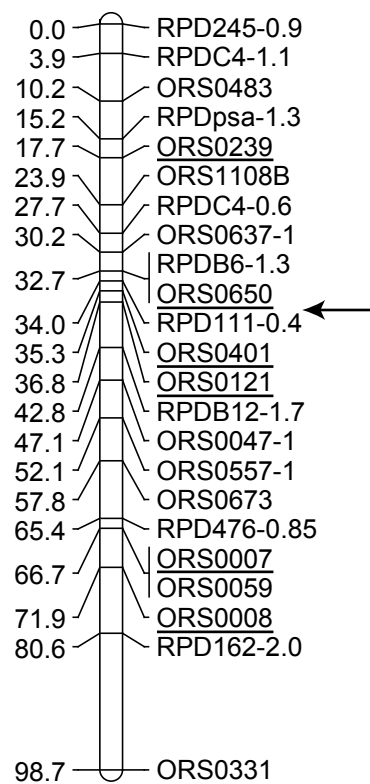
LG04/S



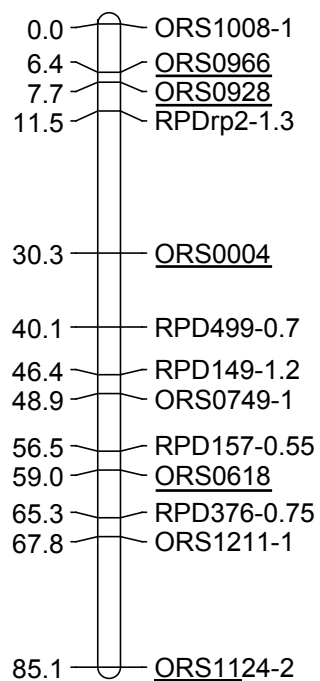
LG05-14/RT



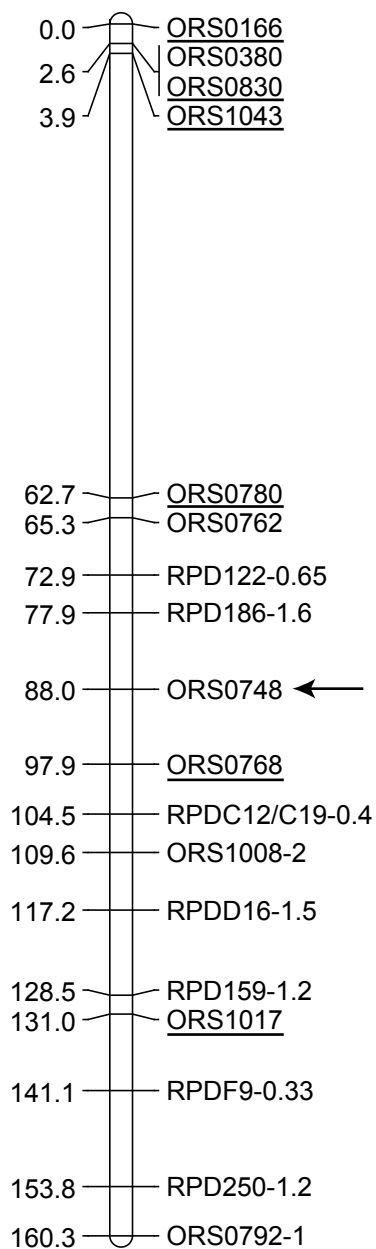
LG06-15/UV



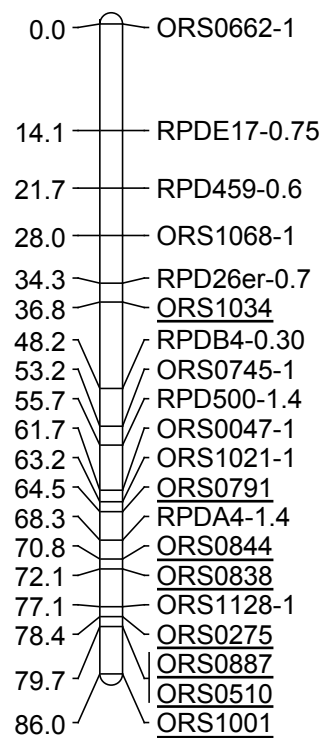
LG07/E



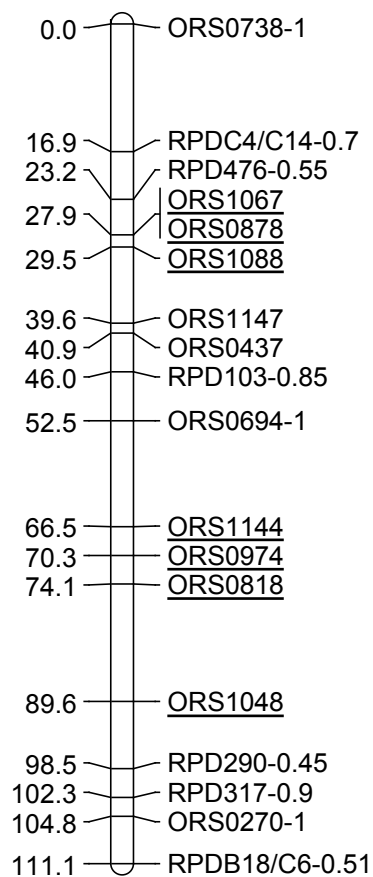
LG08-16/MP



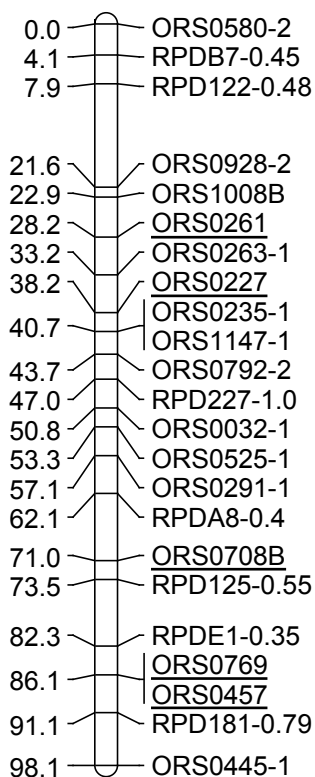
LG09/A



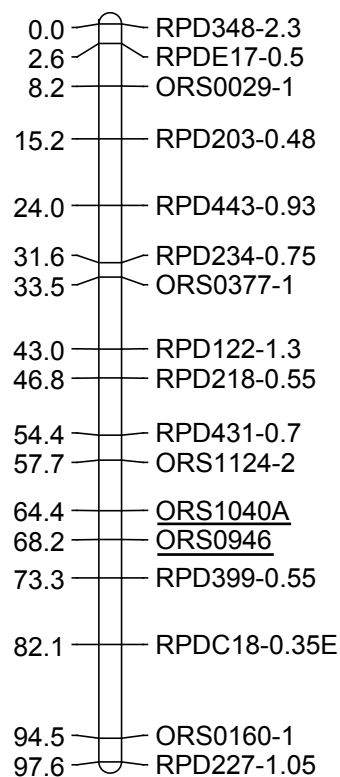
LG10/F



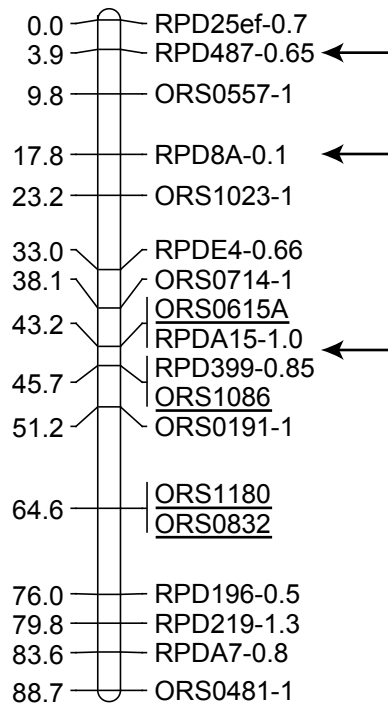
LG11/C



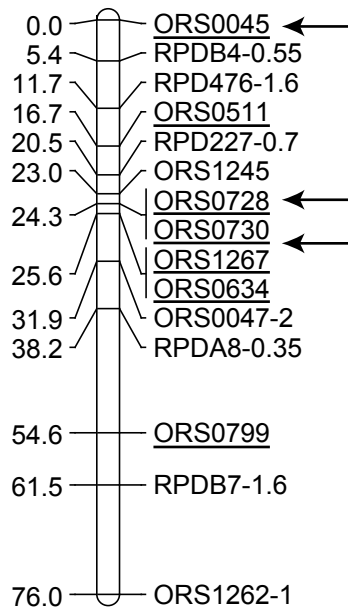
LG12/N



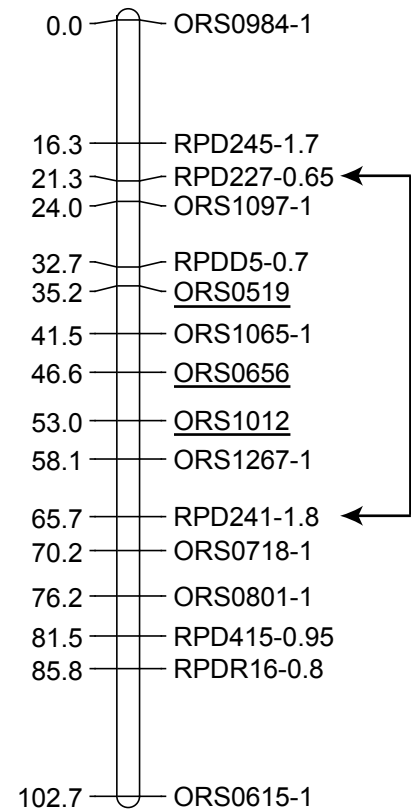
LG12-14/OQ



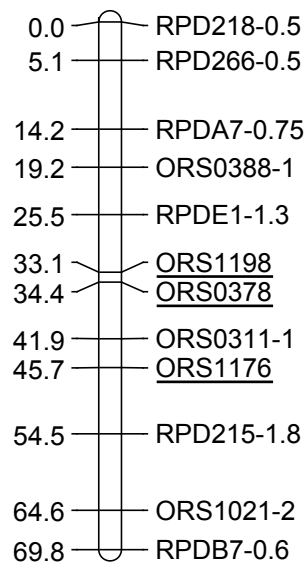
LG13-17/IJH



LG16/W



LG16/G



LG17/K

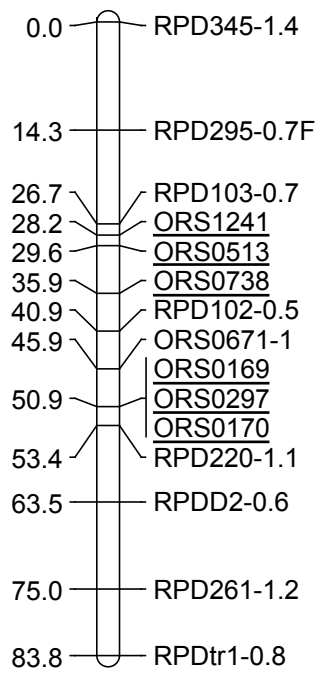
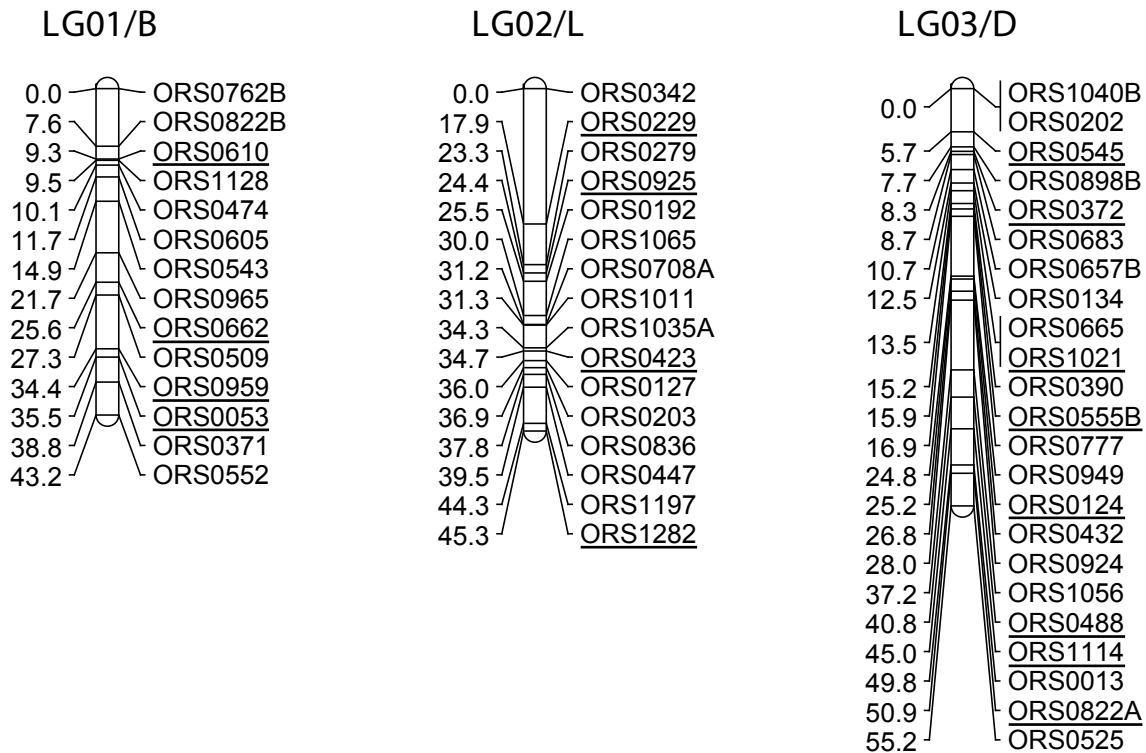
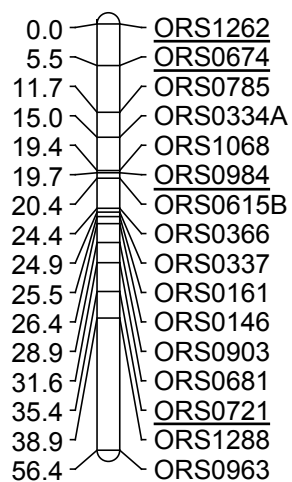


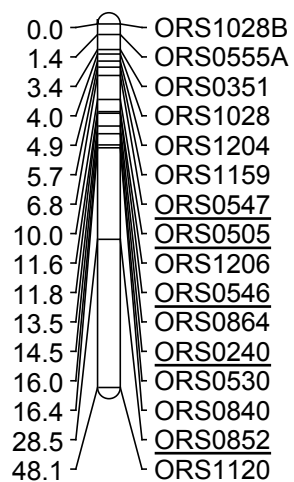
Figure 2S (Supplementary Information). Genetic map of *Helianthus annuus*. All markers are simple sequence repeats. The numbers to the left of each linkage group refer to genetic distance (cM). All informative loci are underlined. Letters following the numerical linkage group designations refer to the naming system employed by RIESEBERG *et al.* (1995), and are included here continuity.



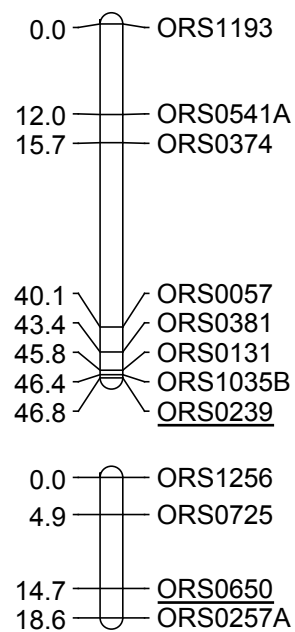
LG04/S



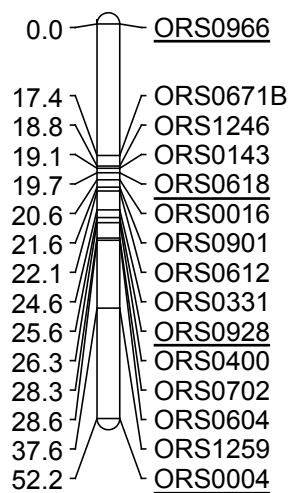
LG05/T



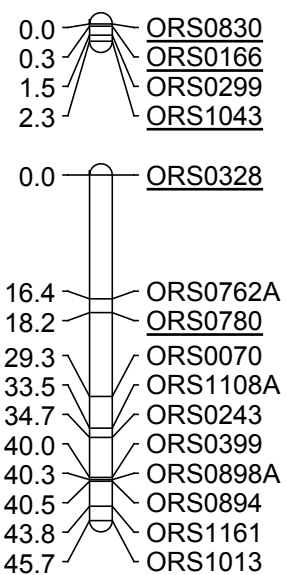
LG06/U



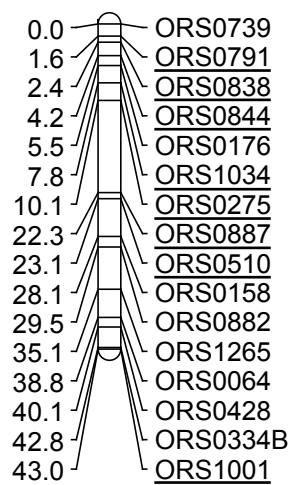
LG07/E



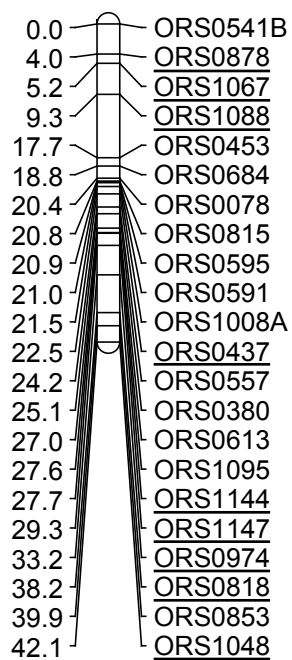
LG08/M



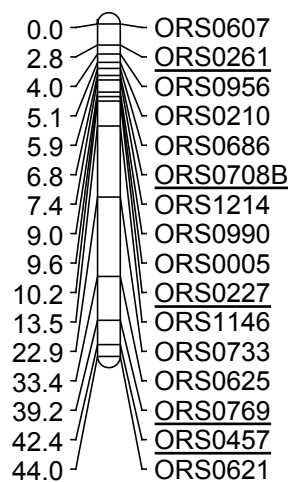
LG09/A



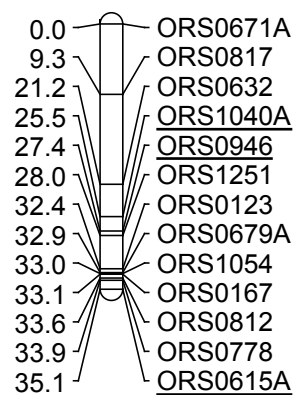
LG10/F



LG11/C



LG12/NO



LG13/IJ

0.0	ORS0224
1.3	ORS0536
4.1	<u>ORS0728</u>
4.4	<u>ORS0511</u>
7.7	ORS0630
7.9	<u>ORS0799</u>
9.1	ORS0581
9.6	ORS0191
11.3	<u>ORS0045</u>
21.6	ORS0995
32.0	ORS0534
32.8	ORS0200
34.0	ORS0596
34.8	ORS0388
35.5	ORS0215
35.9	<u>ORS0730</u>

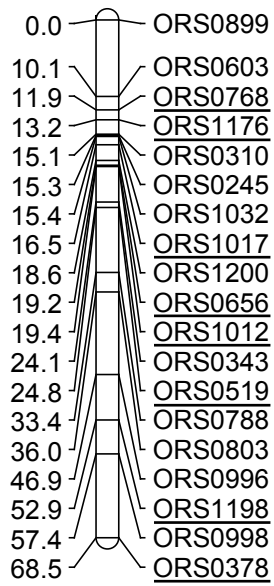
LG14/QR

0.0	ORS0624
0.5	<u>ORS0580</u>
2.7	<u>ORS1116</u>
3.9	ORS1079
5.9	ORS0578
7.2	ORS0657A
8.9	ORS0301
13.2	ORS0307
19.2	<u>ORS1086</u>
21.9	<u>ORS0398</u>
27.7	<u>ORS0333</u>
31.7	<u>ORS0832</u>
32.3	<u>ORS1180</u>
44.1	ORS1248

LG15/V

0.0	ORS0216
2.1	<u>ORS0401</u>
4.1	<u>ORS1025</u>
5.0	<u>ORS0121</u>
5.3	<u>ORS0007</u>
7.1	<u>ORS0008</u>
10.9	<u>ORS1141</u>
13.2	ORS0567
14.8	ORS0321
19.7	ORS0384
28.3	ORS1028A
29.4	ORS0151
30.6	ORS0668
33.8	ORS1242
34.2	ORS0857
34.9	ORS0148
35.6	ORS0344
37.4	ORS0562
41.5	ORS1271

LG16/PWG



LG17/HK

